

**TWO-STAGE EVAPORATION SYSTEM COMPRISING AN INTEGRATED
LIQUID SUPERCOOLER AND A SUCTION VAPOUR SUPERHEATER
ACCORDING TO FREQUENCY-CONTROLLED MODULE TECHNOLOGY**

ABSTRACT OF THE DISCLOSURE

The aim of the invention is to improve a refrigerating installation in such a way as to achieve high operating reliability, and savings in terms of energy and cost, in cooling circuits containing a cooling agent (cooling sols). To this end, disclosed is a refrigerating installation provided with frequency-controlled cooling units in the form of modules comprising an integrated two-stage evaporator provided with a liquid supercooler and a suction vapour superheater.